1250 GPM
HANDOUT #17
2/18/12

PRE-INCIDENT SURVEY

Building Name: Mid-Atlantic Hydraulics + Machine Survey #: 41

Street Address: 5324 U.S. 264 West

City, State, Zip: Washington, N.C. 27889

Primary Use: full service repair shop Construction Type: ordinary

Possible Entry: front door (office)

Possible Occupancy: A.M. _____ P.M. _____

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: _____ Name: _____

Phone: _____ Phone: _____

BUILDING CONSTRUCTION

Roof Type: flat (metal) Floor Construction: Concrete

Roof Construction: metal

Basement Construction Type: N/A Height of Basement: N/A

Number of Stories: 1 Height of Each Story: _____

Length: _____ Width: _____ Height: 15'

Attic Area: N/A Size: L_____ X W_____ X H_____

UTILITY TYPES

Gas: LP Tank Type: _____

Gas Shut Off Valve Location: tank

Electric: Washington Utility Phase: 3

Panel Location: _____

Alarm Location: (Seaboard Security System)

EXPOSURES

North: 74 FT. West: _____ FT. South: _____ FT. East: _____

Type: Shop - Mobile Home Type: _____ Type: _____ Type: _____

SUPPRESSION CRITERIA

Needed Fire Flow: _____ Total Water Supply: _____

Fuel Load: _____ Rate of Flow: _____

HYRANT LOCATIONS

(1) Across intersection Flow: 1100 Unit: GPM

(2) @ 3197 Wharton Stafford Rd. Flow: 1000 Unit: GPM.

(3) _____ Flow: _____ Unit: _____

(4) _____ Flow: _____ Unit: _____

OTHER WATER RESOURCES

(1) _____

(2) _____

(3) _____

SPECIAL RESOURCES

(1) _____

(2) _____

(3) _____

MUTUAL AID

(1) _____ Assignment: _____

(2) _____ Assignment: _____

(3) _____ Assignment: _____

STAGING AREA

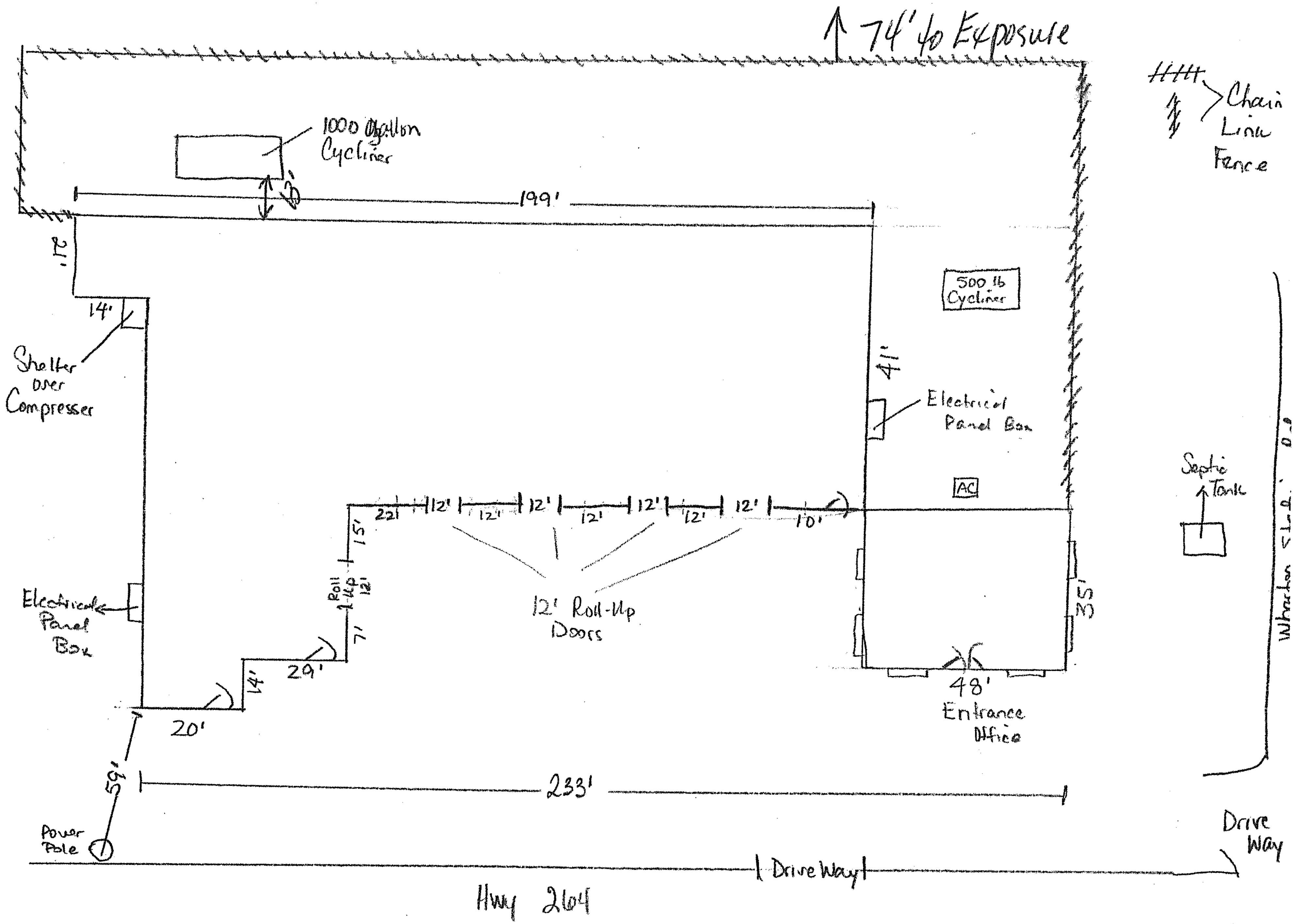
Primary: _____

Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____


74' to Exposure
Chain Link Fence
1000 gallon Cycliner
3'
199'
21'
14'
Shelter over Compresser
500 lb Cycliner
41'
Electrical Panel Box
AC
Septic Tank
22'
12'
12'
12'
12'
12'
12'
12'
10'
15'
Roll-Up 12'
7'
12' Roll-Up Doors
Electrical Panel Box
29'
14'
20'
35'
48'
Entrance Office
59'
233'
Power Pole
Drive Way
Drive Way
Hwy 264

Structure Name Mid Atlantic Hydraulics + Machine

Structure Address 5324 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
233	52.34	12195	110.43	1987.76	0.6	1590.21	0.75	######

Exposure % add	Exposure add GPM	Exposure per side (75% max) Total Side A	Exposure per side 75% max Side B	Exposure per side 75% max Side C	Exposure per side 75% max Side D	Total GPM with exposures
25%	298.16		0	107		1299.65
19%	226.60					
14%	166.97					
9%	107.34					
75%	894.49	Total A,B,C,D				
	MAX	107				

Round off to nearest 250 GPM for flows less than 2500 GPM, the nearest 500 GPM over 2500 GPM

Column J, K, L and M
If up to 10 feet add 25% per side
If 11 to 30 feet add 19% per side
If 31 to 60 feet add 14% per side
If 61 to 100 feet add 9% per side

Column F
Fire Resistive 0.6
Non-combustible 0.8
Ordinary 1
Wood Frame 1.5

Column H
.75 if Mostly non-combustible contents
.85 if Limited combustibles (apartments, churches, schools, hospitals)
1.0 if Mostly combustible (restraunts, sheds, garages)
1.15 if Free burning contents (post offices, horse stables, feed mills, repair garages,ag storage)
1.25 if Rapid burning (aircraft hangers, tires, flammable liquids, wood working)

Total GPM with exposures	Add 50% for each floor above ground floor		# of floors	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM	
1250.00	625		0	0.00			
					1250.00	0	1250.00

FIRE FLOW NEEDED GPM

1250.00